Contents

ALBE-FESSARD, D., et J. LIEBESKIND: Origine des messages somato-sensitifs activant les cellules du cortex moteur chez le singe 127

ANDERSEN, P., T.W. BLACKSTAD and T. LØMO: Location and Identification of Excitatory Synapses on Hippocampal Pyramidal Cells 236

BÁRDOS, V. see FLERKÓ, B. 299

BLACKSTAD, T.W. see ANDERSEN, P. 236

BUSER, P., J. ST. LAURENT et CH. MENINI: Intervention du colliculus inférieur dans l'élaboration et le controle cortical spécifique des décharges cloniques au son chez le chat sous chloralose 102

CHENG, S.-C. see NARUSE, H. 40, 284, 291

CREUTZFELDT, O.D. see WATANABE, S. 48, 272

CSILLIK, B. see JOÓ, F. 147

CURTIS, D.R., and R.W. RYALL: Pharmacological Studies upon Spinal Presynaptic Fibres 195

DOTY, R.W. see WYRWICKA, W. 152

ECCLES, J.C., R. LLINÁS and K. SASAKI: The Inhibitory Interneurones within the Cerebellar Cortex 1

— — — Parallel Fibre Stimulation and the Responses Induced thereby in the Purkinje Cells of the Cerebellum 17

— — — The Mossy Fibre-Granule Cell Relay of the Cerebellum and its Inhibitory Control by Golgi Cells 82

— — — Intracellularly Recorded Responses of the Cerebellar Purkinje Cells 161

FAIRCHILD, M.D. see HAYWARD, J.N. 205

FLERKÓ, B., and V. BÁRDOS: Prolongation of Dioestrus in Rats with Diencephalic and Mesencephalic Lesions 299

FRALING, F. see HERZ, A. 249

GRANT, G., and O. OSCARSSON: Mass Discharges Evoked in the Olivocerebellar Tract on Stimulation of Muscle and Skin Nerves 329

— — and I. ROSÉN: Functional Organization of the Spinoreticulocerebellar Path with Identification of its Spinal Component 306

HÁMORI, J., and J. SZENTÁGOTHAI: Identification under the Electron Microscope of Climbing Fibers and their Synaptic Contacts 65

HAYWARD, J.N., M.D. FAIRCHILD and D.G. STUART: Hypothalamic and Cortical D-C Potential Changes Induced by Stimulation of the Midbrain Reticular Formation 205

HERZ, A., I. NIEDNER, F. FRALING und J. SOMMER-SMITH: Corticale und subcorticale Reaktionspotentiale nach sensorischer Reizung bei der wachen und schlafenden Katze 249

HONGO, T., E. JANKOWSKA and A. LUNDBERG: Convergence of Excitatory and Inhibitory Action on Interneurones in the Lumbosacral Cord 338

JANKOWSKA, E. see HONGO, T. 338

JOÓ, F., and B. CSILLIK: Topographic Correlation between the Hemato-Encephalic Barrier and the Cholinesterase Activity of Brain Cappillaries 147

KONISHI, M. see WATANABE, S. 272

LATTA, J. see WINTER, P. 359

LAURENT, J. ST. see BUSER, P. 102

LIEBESKIND, J. see ALBE-FESSARD, D. 127

LLINÁS, R. see ECCLES, J.C. 1, 17, 82, 161

LØMO, T. see ANDERSEN, P. 236

LUNDBERG, A. see HONGO, T. 338

MCILWAIN, J.T.: Some Evidence Concerning the Physiological Basis of the Periphery Effect in the Cat's Retina 265

MENINI, CH. see BUSER, P. 102

NARUSE, H., S.-C. CHENG and H. WAELSCH: Microdetermination of Citric Acid in Nervous Tissue 40

— — — CO_2 Fixation in the Nervous Tissue. IV. CO_2 Fixation and Citrate Metabolism in Lobster Nerve 284

— — — CO_2 Fixation in the Nervous System. V. CO_2 Fixation and Citrate Metabolism in Rabbit Nerve 291

NIEDNER, I. see HERZ, A. 249

OSCARSSON, O., and I. ROSÉN: Response Characteristics of Reticulocerebellar Neurones Activated from Spinal Afferents 320

— see GRANT, G. 306, 329

PFEIFFER, R.R.: Classification of Response Patterns of Spike Discharges for Units in the Cochlear Nucleus: Tone-Burst Stimulation 220

PLOOG, D. see WINTER, P. 359

Rosén, I. see Grant, G. 306

— see Oscarsson, O. 320

Ryall, R.W. see Curtis, D.R. 195

Sasaki, K. see Eccles, J.C. 1, 17, 82, 161

Slusher, M.A.: Effects of Cortisol Implants in the Brainstem and Ventral Hippocampus on Diurnal Corticosteroid Levels 184

Sommer-Smith, J. see Herz, A. 249

Stuart, D.G. see Hayward, J.N. 205

Szentágothai, J. see Hámori, J. 65

Waelsch, H. see Naruse, H. 40, 284, 291

Watanabe, S., und O.D. Creutzfeldt: Spontane postsynaptische Potentiale von Nervenzellen des motorischen Cortex der Katze 48

— M. Konishi and O.D. Creutzfeldt: Postsynaptic Potentials in the Cat's Visual Cortex Following Electrical Stimulation of Afferent Pathways 272

Winter, P., D. Ploog and J. Latta: Vocal Repertoire of the Squirrel Monkey (Saimiri sciureus), its Analysis and Significance 359

Wyrwicka, W., and R.W. Doty: Feeding Induced in Cats by Electrical Stimulation of the Brain Stem 152